

CLAIMS

1. A communication terminal for video conferencing with
2 remote participants, comprising:

3 a receiver receiving audio and video signals from a plurality of said
4 remote participants;
5 a comparator comparing said received audio signals from said
6 remote participants;
7 a display; and
8 a controller controlling said display to display a video image
9 extracted from said video signals based on the comparison of
10 said received audio signals.

11 2. The communication terminal of claim 1, wherein said
12 comparator selects an active participant from said remote participants.

13 3. The communication terminal of claim 2, wherein said
14 comparator selects as said active participant said remote participant from
15 which the strongest audio signal is received.

16 4. The communication terminal of claim 1, wherein said
17 comparator compares said audio signals over a selected period of time.

5. The communication terminal of claim 1, wherein said
2 controller controls said display to freeze all but one extracted video image
of one remote participant based on said comparison of said received audio
4 signals from said remote participants by said comparator.

6. The communication terminal of claim 1, wherein said
2 controller controls said display to highlight one extracted video image of
one remote participant based on said comparison of said received audio
4 signals from said remote participants by said comparator.

7. The communication terminal of claim 6, wherein said
2 controller controls said display to highlight said one video image by
displaying said one video image in an area larger than the area in which
4 each other video image is displayed.

8. The communication terminal of claim 7, wherein said
2 controller controls said display to display only said one video image.

9. The communication terminal of claim 7, wherein said
2 controller controls said display to display video images other than said one
video image in areas smaller than the area in which said one video image
4 is displayed.

10. The communication terminal of claim 6, wherein said
2 controller controls said display to highlight said one video image by
displaying a distinctive border around said one video image.

11. The communication terminal of claim 6, wherein said
2 controller controls said display to highlight said one video signal by
displaying alphanumeric identification regarding said one remote
4 participant.

12. The communication terminal of claim 6, wherein said
2 controller controls said display to highlight said one video image by
displaying video images other than said one video image using a color
4 scheme different than the color scheme used to display said one video
image.

13. The communication terminal of claim 1, wherein:
2 said receiver receives a video data signal; and
4 said controller controls said display to highlight one video image and
a video data image extracted from said video data signal
based on said comparison of said received audio signals from
6 said remote participants by said comparator.

14. The communication terminal of claim 13, wherein said
2 controller controls said display to highlight said video data image and said
video image associated with the strongest received audio signal.

-20-

4 15. A mobile terminal for video conferencing with remote
participants, comprising:
6 a wireless receiver receiving audio and video signals from a plurality
 of said remote participants;
8 a comparator comparing said received audio signals from said
 remote participants;
10 a display; and
12 a controller controlling said display to display video images
 extracted from said video signals based on the comparison of
 said received audio signals.

16. The mobile terminal of claim 15, wherein said
2 comparator selects an active participant from said remote participants.

17. The mobile terminal of claim 16, wherein said
2 comparator selects as said active participant said remote participant from
 which the strongest audio signal is received.

18. The mobile terminal of claim 15, wherein said
2 comparator compares said audio signals over a selected period of time.

19. The mobile terminal of claim 15, wherein said controller
2 controls said display to freeze all but one extracted video image of one
 remote participant based on said comparison of said received audio signals
4 from said remote participants by said comparator.

-21-

20. The mobile terminal of claim 15, wherein said controller
2 controls said display to highlight one video image of one remote participant
4 based on said comparison of said received audio signals from said remote
participants by said comparator.

21. The mobile terminal of claim 20, wherein said controller
2 controls said display to highlight said one video image by displaying said
4 one video image in an area larger than the area in which each other video
image is displayed.

22. The mobile terminal of claim 21, wherein said controller
2 controls said display to display only said one video image.

23. The mobile terminal of claim 21, wherein said controller
2 controls said display to display video images other than said one video
4 image in areas smaller than the area in which said one video image is
displayed.

24. The mobile terminal of claim 20, wherein said controller
2 controls said display to highlight said one video image by displaying a
distinctive border around said one video image.

25. The mobile terminal of claim 20, wherein said controller
2 controls said display to highlight said one video signal by displaying
alphanumeric identification regarding said one remote participant.

-22-

4 26. The mobile terminal of claim 20, wherein said controller
controls said display to highlight said one video image by displaying video
6 images other than said one video image using a color scheme different
than the color scheme used to display said one video image.

2 27. The mobile terminal of claim 15, wherein:
2 said receiver receives a video data signal; and
4 said controller controls said display to highlight one video image and
4 a video data image extracted from said video data signal
6 based on said comparison of said received audio signals from
6 said remote participants by said comparator.

2 28. The mobile terminal of claim 27, wherein said controller
2 controls said display to highlight said video data image and said video
image associated with the strongest received audio signal.

29. A mobile terminal for video conferencing with remote
2 participants, comprising:
4 a wireless receiver receiving audio and video signals from a plurality
of said remote participants;
6 a display having a height greater than its width, said display
operating in a portrait mode in a default condition; and
8 a controller controlling said display to display video images
extracted from said video signals in a landscape mode when
said wireless receiver receives said video signals from a
10 plurality of said remote participants.

-24-

30. A communication terminal for video conferencing with
2 remote participants, comprising:

4 a receiver receiving audio and video signals from a plurality of said
remote participants;

6 a processor identifying said received audio signals and associating
each of said identified audio signals with said video signal
received from the same remote participant;

8 a video display;

10 a controller controlling said display to display video images
extracted from said video signals from at least two of said
remote participants, one of said video images being displayed
on the right side of said display and another of said video
images being displayed on the left side of said display; and

12 an audio output sending said audio signal associated with said one
video signal to a right speaker and sending said audio signal
associated with said other video signal to a left speaker.

14

16

31. A method of displaying video images on a display of a
2 mobile terminal video conferencing with at least two other participants,
comprising:

4 receiving at the mobile terminal a video signal containing a video
image and an audio signal from each participant;

6 comparing the audio signals received from said participants;

8 displaying the video images on the mobile terminal display based on
the comparison of the audio signals.

32. The method of claim 31, wherein comparing the audio
2 signals received from said participants determines an active participant.

33. The method of claim 32, wherein said active participant
2 is said participant from whom the strongest audio signal is received.

34. The method of claim 31, wherein said comparing the
2 audio signals received from said participants compares said audio signals
over a selected period of time.

35. The method of claim 31, wherein said displaying the
2 video image on the mobile terminal display based on the comparison of the
audio signals comprises highlighting one video image.

36. The method of claim 35, wherein said highlighting one
2 video image comprises displaying said one video image in an area larger
than the area in which each other video image is displayed.

37. The method of claim 36, wherein only said one video
2 image is displayed.

38. The method of claim 36, wherein said other video
2 images are displayed in areas smaller than the area in which the one video
image is displayed.

-26-

39. The method of claim 35, wherein said highlighting one
2 video image comprises displaying a distinctive border around said one
video image.

40. The method of claim 35, wherein said highlighting one
2 video image comprises displaying alphanumeric identification regarding
said one video signal.

41. The method of claim 35, wherein said highlighting one
2 video image comprises freezing all but said one video image on said
display.

42. The method of claim 35, wherein said highlighting one
2 video image comprises displaying video images other than said one video
image using colors different than colors used to display said one video
4 image.

43. The method of claim 31, further comprising:
2 receiving a video data signal at said receiver; and
wherein said displaying the video signal on the mobile terminal
4 display based on the comparison of the audio signals
comprises highlighting one video image and a video data
6 image extracted from said video data signal.

-27-

44. The method of claim 43, wherein said highlighting one
2 video image and said video data image comprises highlighting said video
image associated with the strongest received audio signal.

45. A method of displaying video images on a display of a
2 mobile terminal, comprising:

4 displaying information on the mobile terminal display in a portrait
mode;
6 receiving a video signal containing a video image at the mobile
terminal from a remote participant;
8 displaying video images on the mobile terminal display in a
landscape mode when more than one video image is
displayed.

46. A method of outputting audio and video signals on a
2 mobile terminal video conferencing with at least two other participants,
comprising:
4 receiving at the mobile terminal an audio signal and a video signal
containing a video image from each participant;
6 processing said audio signal from each participant to associate each
of said received audio signals with said video signal received
8 from the same remote participant;
displaying the video images on a mobile terminal display with one
10 video image displayed on the right side of said display and
another video image displayed on the left side of said display;
12 outputting said audio signal associated with said one video signal to
a right speaker; and
14 outputting said audio signal associated with said other video signal
to a left speaker.